

analysis—II. III. Major management platforms and management applications analysis. 15. Network management platforms analysis. 16. Systems management platforms analysis. 17. Management applications analysis. IV. Management platforms evaluation. 18. Management platforms evaluation criteria. 19. Management platforms: Limitations and development trends. 20. Conclusions. References. List of acronyms. Index.

Quaternionic and Clifford Calculus for Physicists and Engineers. By Klaus Gürlebeck and Wolfgang Sprössig. John Wiley & Sons, Chichester, England. (1997). 371 pages. \$29.95.

Contents:

Preface. Series preface. 1. Quaternions and multivectors. 2. Clifford valued functions and forms. 3. Clifford operator calculus. 4. Boundary value problems. 5. Numerical Clifford analysis. 6. Further results and research problems. Appendices. A. Exact computations of the Teodorescu transform. B. Discrete fundamental solutions. C. Discrete Teodorescu transform. D. Bibliography. Index.

Networking Security and Standards. By Weidong Kou. Kluwer Academic Publishers, Boston, MA. (1997). 207 pages. \$87.50, Dfl. 165.00, £62.25.

Contents:

Preface. Acknowledgments. 1. Business fundamentals of security. 2. Technical fundamentals of security. 3. Security architecture standard. 4. Data encryption standards. 5. Key management standards. 6. Data integrity standards. 7. Digital signature standards. 8. Sign-on authentication standard. 9. Directory and certificate standards. 10. Electronic mail standards. 11. Electronic data interchange standards. 12. Security application technologies. Bibliography. Index.

Gauge Theory and Symplectic Geometry. Edited by Jacques Hurtubise, François Lalonde and Gert Sabidussi. Kluwer Academic Publishers, Dordrecht, The Netherlands. (1997). 212 pages. \$120.00, Dfl. 195.00, £72.00.

Contents:

Preface. Participants. Contributors. Lectures on gauge theory and integrable systems (Michèle Audin). Symplectic geometry of plurisubharmonic functions (Yakov Eliashberg). Frobenius manifolds (Nigel Hitchin). Moduli spaces and particle spaces (Jacques Hurtubise). J -holomorphic curves and symplectic invariants (François Lalonde). Lectures on Gromov invariants for symplectic 4-manifolds (Dusa McDuff). Index.

Real-Time Systems: Design Principles for Distributed Embedded Applications. By Hermann Kopetz. Kluwer Academic Publishers, Boston, MA. (1997). 338 pages. \$72.50, Dfl. 145.00, £48.00.

Contents:

1. The real-time environment. 2. Why a distributed solution? 3. Global time. 4. Modeling real-time systems. 5. Real-time entities and images. 6. Fault tolerance. 7. Real-time communication. 8. The time-triggered protocols. 9. Input/output. 10. Real-time operating systems. 11. Real-time scheduling. 12. Validation. 13. System design. 14. The time-triggered architecture. List of abbreviations. Glossary. References. Index.

Idempotent Analysis and Its Applications. By Vassili N. Kolokoltsov and Victor P. Maslov. Kluwer Academic Publishers, Dordrecht, The Netherlands. (1997). 305 pages. \$159.00, Dfl. 255.00, £95.00.

Contents:

Preface. 1. Idempotent analysis. 2. Analysis of operators on idempotent semimodules. 3. Generalized solutions of Bellman's differential equation. 4. Quantization of the Bellman equation and multiplicative asymptotics. References. Appendix (Pierre Del Moral). Maslov optimization theory. Optimality versus randomness. Index.

Windows Annoyances. By David A. Karp. O'Reilly, Sebastopol, CA. (1997). 285 pages. \$29.95.

Contents:

Preface. 1. So you're stuck with Windows. 2. Customizing your system. 3. The registry. 4. Advanced customization techniques. 5. Maximizing performance. 6. Troubleshooting. 7. Networking. Appendices. A. Frequently asked questions. B. MS-DOS crash course. C. Glossary. D. Contents of MSDOS.SYS file. Index.

The Structure of Classical Diffeomorphism Groups. By Augustin Banyaga. Kluwer Academic Publishers, Dordrecht, The Netherlands. (1997). 197 pages. \$112.00, Dfl. 180.00, £67.00.

Contents:

1. Diffeomorphism groups: A first glance. 2. The simplicity of diffeomorphism groups. 3. The geometry of the flux. 4. Symplectic diffeomorphisms. 5. Volume preserving diffeomorphisms. 6. Contact diffeomorphisms. 7. Isomorphisms between diffeomorphism groups. Bibliography. Index.